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June 20, 2003

175041.PP.01

Mr. Dion Novak  
Remedial Project Manager (SR-6J)  
U.S. Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, IL 60604-3590

EPA Region 5 Records Ctr.



362900

Subject: Remedial Investigation/Feasibility Study Oversight - Work Plan Revision  
Request No. 1  
Eagle Zinc Site, Hillsboro, Illinois  
WA No. 136-RSBD-B5Y7/WA No. 219-RSBD-B5Y7  
Contract No. 68-W6-0025

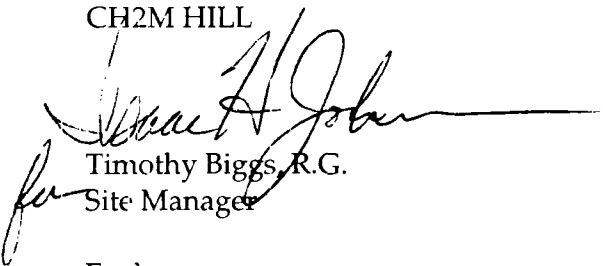
Dear Mr. Novak:

Enclosed please find four copies of the *Remedial Investigation/Feasibility Study Oversight Work Plan Revision Request No. 1* for the Eagle Zinc Site, Hillsboro, Illinois. This Work Plan Revision Request No. 1 and the financial information are being submitted in response to the Statement of Work, Revision No. 1, dated May 29, 2003. Please distribute the copies to Steve Nathan and Marshall McReynolds.

If you have any questions please do not hesitate to contact me at 314-421-0313, ext. 239.

Sincerely,

CH2M HILL

  
Timothy Biggs, R.G.  
Site Manager

Enclosures

c: Stephen Nathan, PO/U.S. EPA, Region 5  
Marshall McReynolds, CO/U.S. EPA, Region 5  
Ike Johnson, PM/CH2M HILL, Milwaukee  
Dan Plomb, DPM/CH2M HILL, Milwaukee  
Matt Kluge, KA/CH2M HILL, Milwaukee  
Lauri Gorton, QAM/CH2M HILL, Milwaukee  
Cherie Wilson, AA/CH2M HILL, Milwaukee

**Work Plan Revision Request No. 1  
Eagle Zinc Site, Hillsboro, Illinois  
Remedial Investigation/Feasibility Study Oversight  
WA No. 136-RSBD-B5Y7/WA No. 219-RSBD-B5Y7  
Contract No. 68-W6-0025  
June 20, 2003**

This Work Plan Revision Request No. 1 defines the scope of activities, schedule, and budget for completing the Remedial Investigation/Feasibility Study (RI/FS) oversight for the Eagle Zinc Site located in the Township of Hillsboro in Montgomery County, Illinois. This Work Plan Revision Request No. 1 is submitted pursuant to the amended Work Assignment Form (WAF), Revision No. 03 and Statement of Work (SOW), Revision No. 1 for the RI/FS oversight dated May 29, 2003. The work will be performed in accordance with Work Assignment (WA) No. 136-RSBD-B5Y7, under Contract No. 68-W6-0025.

Phase II of the RI field work was conducted by Environ from March 10 through March 19, 2003. CH2M HILL provided oversight of the field activities for USEPA. Phase II RI field activities included: sampling and analysis of surface water for organic and inorganic parameters; installation of monitoring wells and sampling of soil/groundwater for organic and inorganic parameters; installation of temporary piezometers for determination of groundwater elevations; and collection of additional stockpiled residual materials for inorganic parameters.

Based on the Phase II RI analytical data, additional Phase II RI field work was deemed necessary by the PRPs to adequately characterize the site. The additional field work will consist of the installation/sampling of offsite monitoring wells and the sampling of offsite surface water samples for inorganic parameters. An onsite monitoring well that could not be installed during the Phase II RI field activities because of wet surface conditions will be installed and soil/groundwater samples will be collected for inorganic and organic parameters. The field work is scheduled to begin in June 2003.

## **Purpose**

The scope of work covered by this Work Plan Revision Request No. 1 comprises the oversight portion of the PRP's RI/FS activities. These activities shall include field investigations to delineate the nature and extent of contamination at the site and in nearby areas beyond those already identified through previous investigations. The RI/FS shall address site-related contaminant nature and extent, transport mechanisms, and risk characterization related to waste materials, surface soil, subsurface soil, groundwater, surface water, sediment, and air. The RI/FS is intended to both complement and complete the prior investigations conducted at and within the vicinity of the site.

## **Project Approach**

CH2M HILL proposes to use its own personnel to perform the work listed in this Work Plan Revision Request No. 1. CH2M HILL will review the PRP deliverables to assess the likelihood that the RI/FS will achieve its goals and to provide technical assistance to USEPA in responding to public inquiries concerning existing site information. CH2M HILL will retain overall responsibility for the performance of this Work Plan Revision Request No. 1, including project administration, management, and communication with USEPA.

## **Scope of Work and Task Descriptions**

The following work breakdown structure (WBS) outlines the tasks and subtasks through which the RI/FS oversight project will be executed. The WBS matches the structure defined in SOW Revision No. 1 dated May 29, 2003. The time frames for conducting the tasks/subtasks are based on the PRP's project schedule and are referenced below as occurring during Option Period 1 (July 31, 2002 through September 29, 2003) and/or Option Period 2 (September 30, 2003 through December 30, 2004).

### **Task 1 Project Planning and Support (PP)**

#### **Subtask 1.1—Project Planning (PP.01)**

The work elements necessary to complete this subtask, as defined by USEPA in SOW Revision No. 1, are described below. It is assumed that Subtask 1.1 activities will be completed during Option Period 1.

#### **Revised RI/FS Oversight Work Plan Revision Request**

CH2M HILL has prepared this oversight Work Plan Revision Request (WPRR) under Subtask 1.1 (PP.01). This Work Plan Revision Request No. 1 was developed using existing project information and direction provided by USEPA in SOW Revision No. 1. The total estimated effort to complete this WPRR is 23 LOE hours.

The total effort to date for the activities described in the original Work Plan was 106 LOE hours. The total estimated LOE for Subtask 1.1, including the added effort for this WPRR, is 129 hours. All 129 LOE hours are expected to occur during Option Period 1.

#### **Subtask 1.2—Preparation of Site-Specific Plans (PP.02)**

CH2M HILL submitted a site-specific Health and Safety Plan (HASP) to USEPA Region 5 on December 10, 2002. This effort was completed at 26 LOE hours.

#### **Subtask 1.3—Project Management (PP.03)**

CH2M HILL will perform general WA management, including management and tracking of costs, preparation of monthly progress reports, attendance at project meetings, and the preparation and submittal of invoices. Project management has been budgeted for a performance period of 30 months (July 2002 through December 2004).

##### **Subtask 1.3.1 Monthly Project Management and Reporting**

CH2M HILL will provide general WA setup, management, and coordination for the implementation of the WA SOW.

CH2M HILL will manage and track costs and prepare and submit invoices. Monthly reports will include the level of effort (by P-level) for the reporting period as well as the cumulative amounts expended to date. An estimated 6 hours per month is allocated for project management and reporting (4 hours for the PM, 1 hour for the program manager, and 1 hour for the project controls specialist) for the duration of the WA. It is assumed that the LOE hours for project management and reporting will be equally distributed between Option Period 1 and Option Period 2. An additional 3 hours have been added for

management and coordination during the field oversight activities, which are assumed to occur during Option Period 1. The estimated total for this subtask, including work completed to date, is 183 LOE hours. Of the 183 LOE hours, 93 LOE hours are to occur during Option Period 1 and 90 LOE hours are to occur during Option Period 2.

### **Subtask 1.3.2 Progress Meetings**

During the course of this WA, CH2M HILL will participate in progress meetings with USEPA. Per the SOW, two CH2M HILL personnel from St. Louis will participate in three, 4-hour meetings to be held at the USEPA's Region V office. It is assumed that the three meetings will occur during Option Period 2. Preparation for each meeting is estimated to require an additional 2 hours. The estimated total LOE for this task is 60 hours (6 hours for preparation, 30 hours for travel, and 24 hours for meetings).

The total LOE estimated for Subtask 1.3 is 243 hours. Of the 243 LOE hours, 93 LOE hours are to occur during Option Period 1 and 150 LOE hours are to occur during Option Period 2.

The total LOE estimated for Task 1 is 398 hours.

## **Task 2 Community Relations Technical Support (CR.01)**

CH2M HILL will provide community relations technical support to USEPA throughout the RI/FS in accordance with *Community Relations in Superfund: A Handbook* (June 1988). Per the SOW Revision No. 1, it is assumed that two CH2M HILL personnel from St. Louis will provide technical support at five public/availability meetings in Hillsboro, Illinois, with each meeting requiring an overnight stay. It is assumed that the five meetings will occur during Option Period 2.

The LOE estimate assumes that each meeting will require 16 hours (8 hours for travel and 8 hours for meetings) and an additional 6 hours for meeting preparation support. The total LOE for Task 2 is 110 hours (80 hours for travel and meetings and 30 hours for preparation).

## **Task 3 Data Acquisition Oversight (FI.01)**

This task involves oversight for work related to PRP sampling during the RI/FS. The PRP's contractor's RI/FS Work Plan was approved by USEPA in June 2002, and Phase I of the field work was completed in early July 2002. The initial Phase II field sampling activities occurred in March 2003. Additional Phase II field work is scheduled to be completed in June 2003. Phase II will end with the demobilization of field personnel and equipment after the RI is complete. It is assumed that Task 3 activities will be completed during Option Period 1.

It is anticipated that the following oversight activities will be performed:

- **Kickoff Meetings.** Before beginning the additional Phase II field activities, it is anticipated that a meeting will be conducted for the principal personnel to discuss objectives and communication channels. For budgetary purposes, it is assumed that a 1-hour conference call will be conducted with USEPA and two CH2M HILL personnel. An estimated LOE of 2 hours for the conference call are included in the budget for this activity.
- **Perform Field Investigation Oversight.** CH2M HILL will conduct oversight activities for the PRP's contractor's field investigation using the approved PRP RI/FS schedule and will evaluate whether the work is being conducted in accordance with the PRP's site-specific QAPP, FSP, and HASP. The estimate assumes that one field observer from CH2M HILL's

St. Louis office will conduct field oversight activities. The initial Phase II field oversight work required 98 LOE hours to complete. It is estimated that 40 LOE hours will be required to complete the additional Phase II field oversight task, including travel. The PM will discuss oversight issues with the WAM/RPM at least once per day during the PRP's contractor's field investigation activities. The total estimated LOE for the field investigation oversight, including LOE to date, is 138 hours.

- **Final Summary Report.** CH2M HILL will provide a Summary Field Oversight Report within 30 calendar days after the conclusion of all field activities. The report will include a brief summary of significant field activities; field logs; photos containing a caption with the date and a brief description of the activity; and any problems encountered, recommended solutions, and actions taken. The LOE for preparation of the initial Phase II Summary Field Oversight Report was 11 hours. The LOE estimated for preparation of the additional Phase II Summary Field Oversight Report is 11 hours.

The total LOE estimated for Task 3 is 162 hours.

## **Task 7 Review of PRP Baseline Human Health and Ecological Risk Assessment (RA.01)**

It is assumed that all Task 7 activities will be completed during Option Period 2.

### **Human Health Risk Assessment**

A total of 36 LOE hours is estimated for the review of the draft and the final HHRA and to provide comments to USEPA. The estimated effort is based on one reviewer spending 24 hours to review and comment on the draft and 8 hours to review and comment on the final HHRA report. An additional 4 hours have been incorporated for the reviewer to consolidate and submit comments on the draft and final HHRA (3 hours for the draft and 1 hour for the final) to USEPA.

Per the SOW, it is assumed that two CH2M HILL personnel (the project manager and risk assessor) will attend a meeting to discuss the draft HHRA at the PRP's contractor's office in Deerfield, Illinois. CH2M HILL will provide draft or verbal comments to USEPA within 8 days of receipt of the PRP's draft HHRA prior to meeting with the PRPs. Per the SOW, the LOE for the meeting is 24 hours (2 hours for preparation, 10 hours for travel, and 12 hours for the meeting).

A total of 60 LOE hours is estimated to complete the review of the HHRA.

### **Ecological Risk Assessment**

A total of 36 LOE hours is estimated for the review of the draft and final ERA. The estimated effort is based on one reviewer spending 24 hours to review and comment on the draft and 8 hours to review and comment on the final ERA report. An additional 4 hours have been incorporated for the reviewer to consolidate and submit comments on the draft and final ERA (3 hours for the draft and 1 hour for the final report) to USEPA.

Per the SOW, it is assumed that two CH2M HILL personnel (the project manager and risk assessor) will attend a meeting to discuss the draft ERA at the PRP's contractor's office. CH2M HILL will provide draft or verbal comments to USEPA within 8 days of receipt of the PRP's draft ERA prior to the meeting. The LOE for the meeting is 24 hours (2 hours for preparation, 10 hours for travel, and 12 hours for the meeting).

A total of 60 LOE hours is estimated to complete the review of the ERA.

The total LOE estimated for Task 7 is 120 hours.

### **Task 9 Review the PRP's Remedial Investigation Report (RR.01)**

CH2M HILL will review the PRP's RI report. This task may also include a review of the PRP documents related to the RI portion of the RI/FS report. It is assumed that all of the Task 9 activities will be completed during Option Period 2.

#### **Review PRP's Draft RI Report**

CH2M HILL will review and provide comments on the PRP's draft RI report 21 days after it is received. The estimated LOE is based on three reviewers spending 15 hours for a total of 45 hours. An additional 4 hours have been added for the PM to compile comments for submittal to USEPA.

Per the SOW, it is assumed that two CH2M HILL personnel (project manager and senior reviewer) will attend a meeting to discuss the draft RI report at the PRP's contractor's office. CH2M HILL will provide draft or verbal comments to USEPA within 8 days of receipt of the draft prior to meeting with the PRPs. The LOE for the meeting is 24 hours (2 hours for preparation, 10 hours for travel, and 12 hours for the meeting).

#### **Review PRP's Final RI Report**

CH2M HILL will review and provide comments on the PRP's final RI report 14 days after it is received. The estimated LOE to review the final RI report is 16 hours, based on two reviewers spending 8 hours to review the final report. An additional 2 hours have been added for the PM to compile comments for submittal to USEPA.

The total LOE estimated for Task 9 is 91 hours.

### **Task 10 Review PRP's Technical Memorandums (RS)**

CH2M HILL will review and comment on the PRP's two technical memorandums described below. Review of the final Phase 1 technical memorandum was completed in January 2003. It is assumed that review of the Phase 2 activities will be completed during Option Period 1.

#### **Subtask 10.1—Review PRP's Draft Technical Memorandums (RS.01)**

Review of the draft Phase 1 technical memorandum was completed in January 2003. A total of 43 LOE hours was required to complete this subtask. CH2M HILL will review the PRP's draft Phase 2 technical memorandum within 14 calendar days following the receipt of the document. The estimated LOE to review the draft Phase 2 technical memorandum is 16 hours. The estimated effort is based on four reviewers spending 4 hours each to review and comment on the draft Phase 2 technical memorandum. An additional 4 hours have been added to this task to allow for the PM to compile comments for submittal to USEPA.

Per the SOW, two CH2M HILL personnel will attend a meeting at the PRP's contractor's office to discuss the draft technical memorandums. CH2M HILL will provide draft or verbal comments to USEPA within 8 days of the receipt of each document prior to meeting with the PRPs. The LOE

for the meeting is 24 hours (2 hours for preparation, 10 hours for travel, and 12 hours for the meeting). The total LOE to review the draft Phase 2 technical memorandum is 44 hours.

#### **Subtask 10.2—Review PRP's Final Technical Memorandums (RS.02)**

Review of the final Phase 1 technical memorandum was completed in January 2003. CH2M HILL will review the PRP's final Phase 2 technical memorandum within 14 calendar days of the receipt of the document. The estimated LOE to review the final Phase 2 technical memorandum is 8 hours. The estimated effort is based on four reviewers spending 2 hours each to review and comment on the final Phase 2 technical memorandum. An additional 2 hours have been added to this task to allow for the PM to compile comments for submittal to USEPA. The total LOE to review the final Phase 2 technical memorandum is 10 hours.

#### **Task 12 Review PRP's FS Report (FS.01)**

CH2M HILL will review and comment on the PRP's FS report, which is described below. It is assumed that Task 12 activities will be completed during Option Period 2.

##### **Review PRP's Draft FS Report**

It is estimated that the draft FS report will take 30 hours to review. The estimated effort for this review is based on three reviewers spending 10 hours each to review and comment on the document. An additional 4 hours have been added to this task to allow for the PM to compile comments for submittal to USEPA.

Per the SOW, two CH2M HILL personnel will attend a meeting at the PRP's contractor's office to discuss the draft FS report. CH2M HILL will provide draft or verbal comments to USEPA within 8 days of receipt of the PRP's draft FS report prior to meeting with the PRPs. The LOE for the meeting is 24 hours (2 hours for preparation, 10 hours for travel, and 12 hours for the meeting). The total LOE to review the draft FS report is 58 hours.

##### **Review of PRP's Final FS Report**

CH2M HILL will review and provide comments on the PRP's final FS report within 14 calendar days of receipt of the document. The LOE to complete the review of the final FS report is 18 hours, based on three reviewers spending 6 hours to review the final FS report. In addition, 4 hours have been added to this task to allow for the PM to compile comments for submittal to USEPA. The total LOE to review the final FS report is 22 hours.

The total LOE for Task 12 is 80 hours.

#### **Task 13 Post-RI/FS Report Support (PR.01)**

CH2M HILL's post-RI/FS report support may include the activities described below. It is assumed that Task 13 activities will be completed during Option Period 2.

Per the SOW, CH2M HILL assumes that the total LOE for Task 13 is 250 hours. This includes attendance by two CH2M HILL personnel at two, 1-day technical meetings at the PRP's contractor's office.

## Task 15 Work Assignment Closeout (CO.01)

At the conclusion of Option Period 2 for this WA, CH2M HILL will package and return all documents to USEPA. CH2M HILL estimates that 8 LOE hours will be required to review, consolidate, and package files for shipment to USEPA.

Six LOE hours are estimated for each option period for CH2M HILL to prepare the Work Assignment Closeout Report (WACR). The WACR will include all LOE by P-level and costs in accordance with the WBS. The total LOE estimated for Task 15 is 20 hours.

## Project Management

### Project Organization

CH2M HILL has assembled a project team to conduct the RI/FS oversight which possesses the appropriate skills and expertise necessary to support the WAM/RPM on the technical issues involving the Eagle Zinc site. CH2M HILL's St. Louis office will manage the WA and will provide field oversight personnel. For planning purposes, CH2M HILL's Dayton and Boston offices will supply the HHRA and ERA review personnel, respectively. Resident observers will work closely with other experienced technical staff, as needed, to address specific site-related investigation activities.

Key CH2M HILL personnel assigned to this project and their respective duties are identified in Table 1 below.

**TABLE 1**  
Proposed RI/FS Oversight Project Staff  
*Eagle Zinc Site*

Staff	Education	Years of Experience	Role	P-Grade
Ike Johnson	M.S.	20	Program Manager	P4
Cathy Barnett	M.S.	13	RTL	P3
Tim Biggs	M.S.	10	Project Manager	P3
John Lowe	B.S.	20	HHRA Reviewer	P3
Steve Petron	Ph. D.	18	ERA Reviewer	P4
Bryce Behnke	B.S.	7	Field Observer/Engineering Technician	P2

Other technical reviewers may need to be consulted regarding specific aspects of the RI/FS, depending on the requirements for each activity. These individuals will be familiar with the site activities based on a review of site compliance documents and other PRP deliverables.



**Attachment A**  
**Estimated Travel Expenses**

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ATTACHMENT A

Estimated Travel Expenses

(P/JTD to 12-30-2004)

Task/Subtask	WBS	Origin	Destination	Purpose	No. of Trips	Persons	Auto	Duration	Hotel Cost	Auto Cost	Air Fare	Per Diem	Total Cost
1.3	PP.03	St. Louis	Chicago, IL	Progress Meetings	3	2	1	1	\$0	\$240	\$1,200	\$276	\$1,716
2	CR.01	St. Louis	Hillsboro, IL	Community Relations Meetings	5	2	1	1	\$550	\$300		\$300	\$1,150
3	FI.01	St. Louis	Hillsboro, IL	Data Acquisition Oversight	2	1	1	4	\$440	\$594	\$0	\$240	\$1,274
7	RA.01	St. Louis	Deerfield, IL	Draft HHRA Report Meeting	1	1	0	1	\$0	\$0	\$200	\$46	\$246
7	RA.01	Dayton	Deerfield, IL	Draft HHRA Report Meeting	1	1	1	1	\$155	\$80	\$250	\$46	\$531
7	RA.01	St. Louis	Deerfield, IL	Draft ERA Report Meeting	1	1	0	1	\$0	\$0	\$200	\$46	\$246
7	RA.01	Boston	Deerfield, IL	Draft ERA Report Meeting	1	1	1	1	\$155	\$80	\$300	\$46	\$581
9	RR.01	St. Louis	Deerfield, IL	Draft RI Report Meeting	1	2	1	1	\$0	\$80	\$400	\$92	\$572
10	RS.01	St. Louis	Deerfield, IL	Draft TM Meeting	2	1	1	1	\$0	\$160	\$532	\$92	\$784
12	FS.01	St. Louis	Deerfield, IL	Draft FS Report Meeting	1	2	1	1	\$0	\$80	\$400	\$92	\$572
13	PR.01	St. Louis	Deerfield, IL	Technical Meetings	2	2	1	1	\$620	\$160	\$800	\$184	\$1,764
<b>Totals</b>									<b>\$1,920</b>	<b>\$1,774</b>	<b>\$4,282</b>	<b>\$1,460</b>	<b>\$9,436</b>

Assumptions:

Per diem rate for USEPA and Environ meetings is \$201/day (\$155 hotel + \$46 meals) for overnight stay and \$46/day for no overnight stay per DOD Per Diem website (Lake County or Chicago).

Per diem for Hillsboro is \$85/day (\$55 hotel + \$30 meals) for overnight stay and \$30/day for no overnight stay per DOD Per Diem website (Conus rate).

Auto rates for Chicago visits based on \$40/day for car + \$10 gas + \$30 airport parking.

Auto rates for Hillsboro visits based on \$40/day for car + \$20/day gas.

Auto rates for Hillsboro field work based on 4WD truck @ \$60/day + \$15/day gas.

Airfare from STL to CHI based on \$200/round trip (with a 3-week advance reservation).

Airfare from DAY to CHI based on \$250/round trip (with a 3-week advance reservation).

Airfare from BOS to CHI based on \$300/round trip (with a 3-week advance reservation).

WA#136-RSBD-B5Y7

Cost and LOE Breakdown Complete

RAC V Work Plan - Eagle Zinc, IL

Task	P-4	P-3	P-2	P-1	T-2	T-1	LOE Labor\$	Clerical Hours	Clerical Labor\$	PLI Premium	CPS \$	Comm. \$	ODC Postage	ODC Supplies	ODC Reprog.	ODC Other	ODC Total	Computer	Total Equip.	Travel \$	Subpool	Indirect Costs	Total Fees	Total LOE	Total Cost
01	38	270	34	24	2	30	\$14,293	41	\$789	\$0	\$576	\$549	\$104	\$0	\$312	\$0	\$1,541	\$1,932	\$0	\$1,716	\$0	\$22,710	\$4,298	398	\$47,277
01.01	8	82	15	20	0	4	\$4,412	8	\$152	\$0	\$194	\$171	\$62	\$0	\$256	\$0	\$683	\$603	\$0	\$0	\$0	\$6,846	\$1,270	129	\$13,966
01.02	0	5	15	4	2	0	\$722	2	\$38	\$0	\$42	\$35	\$42	\$0	\$56	\$0	\$175	\$123	\$0	\$0	\$0	\$1,140	\$220	26	\$2,418
01.03	30	183	4	0	0	26	\$9,158	31	\$599	\$0	\$341	\$342	\$0	\$0	\$0	\$0	\$683	\$1,206	\$0	\$1,716	\$0	\$14,723	\$2,809	243	\$30,894
02	0	110	0	0	0	0	\$4,282	8	\$157	\$0	\$176	\$148	\$50	\$250	\$250	\$0	\$873	\$519	\$0	\$1,150	\$0	\$6,724	\$1,371	110	\$15,077
02.01	0	110	0	0	0	0	\$4,282	8	\$157	\$0	\$176	\$148	\$50	\$250	\$250	\$0	\$873	\$519	\$0	\$1,150	\$0	\$6,724	\$1,371	110	\$15,077
03	0	4	50	108	0	0	\$3,983	1	\$19	\$0	\$259	\$204	\$10	\$0	\$30	\$176	\$679	\$717	\$0	\$1,274	\$0	\$6,002	\$1,267	162	\$13,942
03.01	0	4	50	108	0	0	\$3,983	1	\$19	\$0	\$259	\$204	\$10	\$0	\$30	\$176	\$679	\$717	\$0	\$1,274	\$0	\$6,002	\$1,267	162	\$13,942
07	48	72	0	0	0	0	\$5,317	8	\$157	\$0	\$115	\$160	\$100	\$0	\$0	\$0	\$375	\$563	\$0	\$1,604	\$0	\$8,291	\$1,631	120	\$17,939
07.01	48	72	0	0	0	0	\$5,317	8	\$157	\$0	\$115	\$160	\$100	\$0	\$0	\$0	\$375	\$563	\$0	\$1,604	\$0	\$8,291	\$1,631	120	\$17,939
09	0	76	15	0	0	0	\$3,363	8	\$157	\$0	\$146	\$124	\$50	\$0	\$0	\$0	\$319	\$436	\$0	\$572	\$0	\$5,331	\$1,018	91	\$11,197
09.01	0	76	15	0	0	0	\$3,363	8	\$157	\$0	\$146	\$124	\$50	\$0	\$0	\$0	\$319	\$436	\$0	\$572	\$0	\$5,331	\$1,018	91	\$11,197
10	20	77	0	0	0	0	\$3,900	6	\$114	\$0	\$123	\$129	\$81	\$0	\$6	\$0	\$339	\$453	\$0	\$784	\$0	\$6,021	\$1,161	97	\$12,772
10.01	17	70	0	0	0	0	\$3,486	4	\$76	\$0	\$112	\$114	\$54	\$0	\$3	\$0	\$283	\$400	\$0	\$784	\$0	\$5,343	\$1,037	87	\$11,409
10.02	3	7	0	0	0	0	\$414	2	\$38	\$0	\$11	\$15	\$27	\$0	\$3	\$0	\$56	\$53	\$0	\$0	\$0	\$678	\$124	10	\$1,363
12	16	64	0	0	0	0	\$3,330	6	\$118	\$0	\$102	\$107	\$50	\$0	\$0	\$0	\$260	\$378	\$0	\$572	\$0	\$5,221	\$988	80	\$10,867
12.01	16	64	0	0	0	0	\$3,330	6	\$118	\$0	\$102	\$107	\$50	\$0	\$0	\$0	\$260	\$378	\$0	\$572	\$0	\$5,221	\$988	80	\$10,867
13	10	200	40	0	0	0	\$9,388	24	\$472	\$0	\$384	\$343	\$200	\$500	\$500	\$0	\$1,927	\$1,206	\$0	\$1,764	\$0	\$14,933	\$2,969	250	\$32,658
13.01	10	200	40	0	0	0	\$9,388	24	\$472	\$0	\$384	\$343	\$200	\$500	\$500	\$0	\$1,927	\$1,206	\$0	\$1,764	\$0	\$14,933	\$2,969	250	\$32,658
15	0	12	0	8	0	0	\$651	19	\$372	\$0	\$32	\$49	\$50	\$0	\$0	\$0	\$131	\$172	\$0	\$0	\$0	\$1,545	\$287	20	\$3,158
15.01	0	12	0	8	0	0	\$651	19	\$372	\$0	\$32	\$49	\$50	\$0	\$0	\$0	\$131	\$172	\$0	\$0	\$0	\$1,545	\$287	20	\$3,158
Totals:	132	885	139	140	2	30	\$48,507	121	\$2,355	\$0	\$1,913	\$1,811	\$695	\$750	\$1,098	\$176	\$6,444	\$6,376	\$0	\$9,436	\$0	\$76,779	\$14,990	1,328	\$164,886

**WA#136-RSBD-B5Y7**  
**Cost and LOE Breakdown Option Period I**  
**RAC V Work Plan - Eagle Zinc, IL**

Task	P-4	P-3	P-2	P-1	T-2	T-1	LOE Labor\$	Clerical Hours	Clerical Labor\$	PLI Premium	CPS \$	Comm. \$	ODC Postage	ODC Supplies	ODC Reprog.	ODC Other	ODC Total	Computer	Total Equip.	Travel \$	Subpool	Indirect Costs	Total Fees	Total LOE	Total Cost
01	23	150	34	24	2	15	\$8,554	26	\$494	\$0	\$360	\$343	\$104	\$0	\$312	\$0	\$1,118	\$1,206	\$0	\$0	\$0	\$13,572	\$2,494	248	\$27,439
01.01	8	82	15	20	0	4	\$4,412	8	\$152	\$0	\$194	\$171	\$62	\$0	\$256	\$0	\$683	\$603	\$0	\$0	\$0	\$6,846	\$1,270	129	\$13,966
01.02	0	5	15	4	2	0	\$722	2	\$38	\$0	\$42	\$35	\$42	\$0	\$56	\$0	\$175	\$123	\$0	\$0	\$0	\$1,140	\$220	26	\$2,418
01.03	15	63	4	0	0	11	\$3,420	16	\$304	\$0	\$125	\$136	\$0	\$0	\$0	\$0	\$261	\$480	\$0	\$0	\$0	\$5,586	\$1,005	93	\$11,055
02	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
02.01	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
03	0	4	50	108	0	0	\$3,983	1	\$19	\$0	\$259	\$204	\$10	\$0	\$30	\$176	\$679	\$717	\$0	\$1,274	\$0	\$6,002	\$1,267	162	\$13,942
03.01	0	4	50	108	0	0	\$3,983	1	\$19	\$0	\$259	\$204	\$10	\$0	\$30	\$176	\$679	\$717	\$0	\$1,274	\$0	\$6,002	\$1,267	162	\$13,942
07	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
07.01	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
09	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
09.01	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
10	20	77	0	0	0	0	\$3,900	6	\$114	\$0	\$123	\$129	\$81	\$0	\$6	\$0	\$339	\$453	\$0	\$784	\$0	\$6,021	\$1,161	97	\$12,772
10.01	17	70	0	0	0	0	\$3,486	4	\$76	\$0	\$112	\$114	\$54	\$0	\$3	\$0	\$283	\$400	\$0	\$784	\$0	\$5,343	\$1,037	87	\$11,409
10.02	3	7	0	0	0	0	\$414	2	\$38	\$0	\$11	\$15	\$27	\$0	\$3	\$0	\$56	\$53	\$0	\$0	\$0	\$678	\$124	10	\$1,363
12	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
12.01	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
13	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
13.01	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
15	0	6	0	0	0	0	\$225	3	\$57	\$0	\$10	\$11	\$0	\$0	\$0	\$0	\$21	\$40	\$0	\$0	\$0	\$423	\$77	6	\$843
15.01	0	6	0	0	0	0	\$225	3	\$57	\$0	\$10	\$11	\$0	\$0	\$0	\$0	\$21	\$40	\$0	\$0	\$0	\$423	\$77	6	\$843
<b>Totals:</b>	<b>43</b>	<b>237</b>	<b>84</b>	<b>132</b>	<b>2</b>	<b>15</b>	<b>\$16,662</b>	<b>36</b>	<b>\$684</b>	<b>\$0</b>	<b>\$752</b>	<b>\$686</b>	<b>\$195</b>	<b>\$0</b>	<b>\$348</b>	<b>\$176</b>	<b>\$2,157</b>	<b>\$2,416</b>	<b>\$0</b>	<b>\$2,058</b>	<b>\$0</b>	<b>\$26,019</b>	<b>\$5,000</b>	<b>513</b>	<b>\$54,995</b>

**WA#136-RSBD-B5Y7**  
**Cost and LOE Breakdown Option Period 2**  
**RAC V Work Plan - Eagle Zinc, IL**

Task	P-4	P-3	P-2	P-1	T-2	T-1	LOE Labor\$	Clerical Hours	Clerical Labor\$	PLI Premium	CPS \$	Comm. \$	ODC Postage	ODC Supplies	ODC Reprog.	ODC Other	ODC Total	Computer	Total Equip.	Travel \$	Subpool	Indirect Costs	Total Fees	Total LOE	Total Cost
01	15	120	0	0	0	15	\$5,739	15	\$295	\$0	\$216	\$206	\$0	\$0	\$0	\$0	\$422	\$726	\$0	\$1,716	\$0	\$9,138	\$1,804	150	\$19,839
01.01	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
01.02	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
01.03	15	120	0	0	0	15	\$5,739	15	\$295	\$0	\$216	\$206	\$0	\$0	\$0	\$0	\$422	\$726	\$0	\$1,716	\$0	\$9,138	\$1,804	150	\$19,839
02	0	110	0	0	0	0	\$4,282	8	\$157	\$0	\$176	\$148	\$50	\$250	\$250	\$0	\$873	\$519	\$0	\$1,150	\$0	\$6,724	\$1,371	110	\$15,077
02.01	0	110	0	0	0	0	\$4,282	8	\$157	\$0	\$176	\$148	\$50	\$250	\$250	\$0	\$873	\$519	\$0	\$1,150	\$0	\$6,724	\$1,371	110	\$15,077
03	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
03.01	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
07	48	72	0	0	0	0	\$5,317	8	\$157	\$0	\$115	\$160	\$100	\$0	\$0	\$0	\$375	\$563	\$0	\$1,604	\$0	\$8,291	\$1,631	120	\$17,939
07.01	48	72	0	0	0	0	\$5,317	8	\$157	\$0	\$115	\$160	\$100	\$0	\$0	\$0	\$375	\$563	\$0	\$1,604	\$0	\$8,291	\$1,631	120	\$17,939
09	0	76	15	0	0	0	\$3,363	8	\$157	\$0	\$146	\$124	\$50	\$0	\$0	\$0	\$319	\$436	\$0	\$572	\$0	\$5,331	\$1,018	91	\$11,197
09.01	0	76	15	0	0	0	\$3,363	8	\$157	\$0	\$146	\$124	\$50	\$0	\$0	\$0	\$319	\$436	\$0	\$572	\$0	\$5,331	\$1,018	91	\$11,197
10	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
10.01	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
10.02	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
12	16	64	0	0	0	0	\$3,330	6	\$118	\$0	\$102	\$107	\$50	\$0	\$0	\$0	\$260	\$378	\$0	\$572	\$0	\$5,221	\$988	80	\$10,867
12.01	16	64	0	0	0	0	\$3,330	6	\$118	\$0	\$102	\$107	\$50	\$0	\$0	\$0	\$260	\$378	\$0	\$572	\$0	\$5,221	\$988	80	\$10,867
13	10	200	40	0	0	0	\$9,388	24	\$472	\$0	\$384	\$343	\$200	\$500	\$500	\$0	\$1,927	\$1,206	\$0	\$1,764	\$0	\$14,933	\$2,969	250	\$32,658
13.01	10	200	40	0	0	0	\$9,388	24	\$472	\$0	\$384	\$343	\$200	\$500	\$500	\$0	\$1,927	\$1,206	\$0	\$1,764	\$0	\$14,933	\$2,969	250	\$32,658
15	0	6	0	8	0	0	\$426	16	\$315	\$0	\$22	\$37	\$50	\$0	\$0	\$0	\$110	\$132	\$0	\$0	\$0	\$1,122	\$210	14	\$2,315
15.01	0	6	0	8	0	0	\$426	16	\$315	\$0	\$22	\$37	\$50	\$0	\$0	\$0	\$110	\$132	\$0	\$0	\$0	\$1,122	\$210	14	\$2,315
Totals:	89	648	55	8	0	15	\$31,845	85	\$1,671	\$0	\$1,162	\$1,125	\$500	\$750	\$750	\$0	\$4,286	\$3,960	\$0	\$7,378	\$0	\$50,760	\$9,990	815	\$109,891



**CH2MHILL**

**CH2M HILL**

135 South 84th Street

Suite 325

Milwaukee, WI 53214-1456

**Tel 414.272.2426**

**Fax 414.272.4408**

June 20, 2003

175041.PP.01

Mr. Dion Novak  
Remedial Project Manager (SR-6J)  
U.S. Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, IL 60604-3590

Dear Mr. Novak:

Subject: Request for Approval – Work Plan Revision Request No. 1  
Eagle Zinc Site, Hillsboro, Illinois  
WA No. 136-RSBD-B5Y7/ WA No. 219-RSBD-B5Y7  
Contract No. 68-W6-0025

Submitted for your review and approval is the following Work Plan Revision Request No. 1:

Work Assignment No. 136-RSBD-B5Y7/219-RSBD-B5Y7 for Remedial Investigation/Feasibility Study Oversight. This Work Plan Revision Request presents an estimated cost and fee of \$164,886 and 1,328 LOE hours.

This Work Plan Revision Request is comprised of two (2) packages:

- Work Plan Revision Request without financial information
- Financial information

The financial information is to be considered CH2M HILL Confidential Business Information and is not for public disclosure. Upon your approval, please forward these original documents to the Project Officer, and then to the Contracting Officer for final approval.

Sincerely,

CH2M HILL

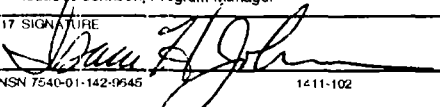
A handwritten signature in black ink, appearing to read 'Isaac H. Johnson', written over the printed name and title.

Isaac H. Johnson  
Program Manager

Enclosures

c: Stephen Nathan/PO/U.S. EPA Region 5  
Marshall McReynolds/CO/U.S. EPA Region 5

53 301-1411

CONTRACT PRICING PROPOSAL COVER SHEET		1. SOLICITATION/CONTRACT/MODIFICATION		FORM APPROVED OMB NO.	
		68-W6-0025		9000-0013	
NOTE: This form is used in contract actions if submission of cost or pricing data is required. (See FAR 15.804-6(b))					
2. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)		3A. NAME AND TITLE OF OFFEROR'S POINT OF CONTACT		3B. TELEPHONE NO.	
CH2M HILL, INC. 35 South 84th Street, Suite 325 Milwaukee, WI 53214		Isaac H. Johnson Program Manager		(414) 272-2426	
		4. TYPE OF CONTRACT ACTION (Check)			
		A. NEW CONTRACT		D. LETTER CONTRACT	
		B. CHANGE ORDER		E. UNPRICED ORDER	
		C. PRICE REVISION/REDETERMINATION <input checked="" type="checkbox"/>		F. OTHER (Specify) Work Plan Revision Request	
5. TYPE OF CONTRACT (Check)		6. PROPOSED COST (A+B=C)			
<input type="checkbox"/> FFP <input type="checkbox"/> CPFF <input type="checkbox"/> CPFI <input checked="" type="checkbox"/> CPAF <input type="checkbox"/> FPI <input type="checkbox"/> OTHER (Specify)		A. COST		B. PROFIT/FEE	
		\$149,896		\$14,990	
				C. TOTAL	
				\$164,886	
7. PLACE(S) AND PERIOD(S) OF PERFORMANCE Eagle Zinc Site, L W.A. # 136-RSBD-B5Y7/W.A. # 219-RSBD-B5Y7 Estimated Completion: September 29, 2003					
8. List and reference the identification, quantity and total price proposed for each contract line item. A line item cost breakdown supporting this recap is required unless otherwise specified by the Contracting Officer. (Continue on reverse, and then on plain paper, if necessary. Use same headings.)					
A. LINE ITEM NO.		B. IDENTIFICATION		C. QUANTITY	D. TOTAL PRICE
		Eagle Zinc Site, Hillsboro, Illinois  Remedial Investigation/Feasibility Study Oversight Work Plan Revision Request No. 1 W.A. # 136-RSBD-B5Y7/W.A. # 219-RSBD-B5Y7		LOE 1,328	\$164,886
9. PROVIDE NAME, ADDRESS, AND TELEPHONE NUMBER FOR THE FOLLOWING (If available)					
A. CONTRACT ADMINISTRATION OFFICE Mr. Marshall McReynolds, Contracting Officer U.S. Environmental Protection Agency Acquisition Sector 77 West Jackson Boulevard Chicago, IL 60604-3590 (312) 886-5858			B. AUDIT OFFICE Mr. Kenneth Hill, Branch Manager Defense Contract Audit Agency Denver Branch Office 7112 West Jefferson Avenue, Suite 200 Lakewood, CO 80235-2327 (303) 969-5000		
10. WILL YOU REQUIRE THE USE OF ANY GOVERNMENT PROPERTY IN THE PERFORMANCE OF THIS WORK? (If "Yes," identify)			11A. DO YOU REQUIRE GOVERNMENT CONTRACT FINANCING TO PERFORM THIS PROPOSED CONTRACT? (If "Yes," complete item 11B)		11B. TYPE OF FINANCING (check one)
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		<input type="checkbox"/> ADVANCE PAYMENTS <input checked="" type="checkbox"/> PROGRESS PAYMENTS <input type="checkbox"/> GUARANTEED LOANS
12. HAVE YOU BEEN AWARDED ANY CONTRACTS OR SUBCONTRACTS FOR THE SAME OR SIMILAR ITEMS WITHIN THE PAST 3 YEARS? (If "Yes," identify item(s), customer(s) and contract number(s))			13. IS THIS PROPOSAL CONSISTENT WITH YOUR ESTABLISHED ESTIMATING AND ACCOUNTING PRACTICES AND PROCEDURES AND FAR PART 31 COST PRINCIPLES? (If "No," explain)		
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO AFCS 68-W6-0040			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
14. COST ACCOUNTING STANDARDS BOARD (CASB) DATA (Public Law 91-379 as amended and FAR PART 30)					
A. WILL THIS CONTRACT ACTION BE SUBJECT TO CASB REGULATIONS? (If "No," explain in proposal)			B. HAVE YOU SUBMITTED A CASB DISCLOSURE STATEMENT? (CASB DS-1 or 2)? (If "Yes," specify in proposal the office to which submitted and if determined to be adequate)		
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO (DCMAO, Denver)		
15. HAVE YOU BEEN NOTIFIED THAT YOU ARE OR MAY BE IN NON-COMPLIANCE WITH YOUR DISCLOSURE STATEMENT OR COST ACCOUNTING STANDARDS? (If "Yes," explain in proposal)			16. IS ANY ASPECT OF THIS PROPOSAL INCONSISTENT WITH YOUR DISCLOSED PRACTICES OR APPLICABLE COST ACCOUNTING STANDARDS? (If "Yes," explain in proposal)		
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
This proposal is submitted in response to the RFP, contract, modification, etc. in item 1 and reflects our best estimates and/or actual costs as of this date and conforms with the instructions in FAR 15.804-6(b)(2), Table 15-2. By submitting this proposal, the offeror, if selected for negotiation, grants the contracting officer or an authorized representative the right to examine, at any time before award, those books, records, documents and other types of factual information, regardless of form or whether such supporting information is specifically referenced or included in the proposal as the basis for pricing, that will permit an adequate evaluation of the proposed price.					
15. NAME AND TITLE (Type) Isaac H. Johnson, Program Manager			16. NAME OF FIRM CH2M HILL, INC.		
17. SIGNATURE 			18. DATE OF SUBMISSION 6-20-03		
NSN 7540-01-142-0645 1411-102 STANDARD FORM 1411 (REV. 7-87) Prescribed by GSA FAR (48 CFR) 53.215-2(c)					

FINANCIAL INFORMATION

**EAGLE ZINC SITE, HILLSBORO, IL**

CH2M HILL RAC V

EPA CONTRACT NO. 68-W6-0025

WA NO. 136-RSBD-B5Y7/WA NO. 219-RSBD-B5Y7

June 20, 2003

CH2M HILL CONFIDENTIAL BUSINESS INFORMATION



# CH2M Hill Cost Summary Report

WA#136-RSBD-B5Y7  
68-W6-0025

	<i>Apportioned Rate</i>	<i>Basis (Hours/\$)</i>	<i>Cost</i>
<b>LOE</b>			
CH2M PROF GRADE 4		132	\$6,833
CH2M PROF GRADE 3		885	\$34,123
CH2M PROF GRADE 2		139	\$3,687
CH2M PROF GRADE 1		140	\$3,273
CH2M TECH GRADE 2		2	\$47
CH2M TECH GRADE 1		30	\$544
<b>Total LOE</b>		<b>1,328</b>	<b>\$48,507</b>
<b>OFFICE</b>			
CH2M OFFICE		121	\$2,355
<b>Total OFFICE</b>			<b>\$2,355</b>
<b>Total LABOR</b>		<b>1,449</b>	<b>\$50,862</b>
<b>ODC</b>			
CH2M COMMUNICATIONS	\$1.25	1,449	\$1,811
CH2M HEALTH & SAFETY	\$1.60	1,196	\$1,913
CH2M COMPUTER	\$4.40	1,449	\$6,376
CH2M REPROGRAPHICS			\$1,098
CH2M SUPPLIES			\$750
CH2M POSTAGE			\$695
MISCELLANEOUS EXPENSES			\$176
<b>Total ODC</b>			<b>\$12,819</b>
<b>CH2M TRAVEL</b>			<b>\$9,436</b>
<b>INDIRECT COST</b>			
CH2M FRINGE (2000-2003)	0.367	\$23,821	\$8,742
CH2M FRINGE (2004)	0.379	\$27,041	\$10,249
CH2M OVERHEAD (2000-2003)	0.521	\$23,821	\$12,411
CH2M OVERHEAD (2004)	0.523	\$27,041	\$14,142
CH2M G & A (2000-2003)	0.612	\$23,821	\$14,578
CH2M G & A (2004)	0.616	\$27,041	\$16,657
<b>Total INDIRECT COST</b>			<b>\$76,779</b>
<b>FEE</b>			
CH2M Award Fee	0.06	\$149,896	\$8,994
CH2M Base Fee	0.04	\$149,896	\$5,996
<b>Total FEE</b>			<b>\$14,990</b>
<b>Total Cost</b>			<b>\$164,886</b>



**CH2MHILL**

**CH2M HILL**

135 South 84th Street

Suite 325

Milwaukee, WI 53214-1456

Tel 414.272.2426

Fax 414.272.4408

June 20, 2003

175041.PP.01

Mr. Dion Novak  
Remedial Project Manager (SR-6J)  
U.S. Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, IL 60604-3590

Subject: Remedial Investigation/Feasibility Study Oversight - Work Plan Revision  
Request No. 1  
Eagle Zinc Site, Hillsboro, Illinois  
WA No. 136-RSBD-B5Y7/WA No. 219-RSBD-B5Y7  
Contract No. 68-W6-0025

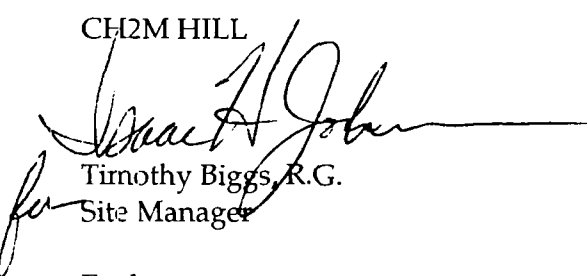
Dear Mr. Novak:

Enclosed please find four copies of the *Remedial Investigation/Feasibility Study Oversight Work Plan Revision Request No. 1* for the Eagle Zinc Site, Hillsboro, Illinois. This Work Plan Revision Request No. 1 and the financial information are being submitted in response to the Statement of Work, Revision No. 1, dated May 29, 2003. Please distribute the copies to Steve Nathan and Marshall McReynolds.

If you have any questions please do not hesitate to contact me at 314-421-0313, ext. 239.

Sincerely,

CH2M HILL

  
Timothy Biggs, R.G.  
Site Manager

Enclosures

c: Stephen Nathan, PO/U.S. EPA, Region 5  
Marshall McReynolds, CO/U.S. EPA, Region 5  
Ike Johnson, PM/CH2M HILL, Milwaukee  
Dan Plomb, DPM/CH2M HILL, Milwaukee  
Matt Kluge, KA/CH2M HILL, Milwaukee  
Lauri Gorton, QAM/CH2M HILL, Milwaukee  
Cherie Wilson, AA/CH2M HILL, Milwaukee

**Work Plan Revision Request No. 1  
Eagle Zinc Site, Hillsboro, Illinois  
Remedial Investigation/Feasibility Study Oversight  
WA No. 136-RSBD-B5Y7/WA No. 219-RSBD-B5Y7  
Contract No. 68-W6-0025  
June 20, 2003**

This Work Plan Revision Request No. 1 defines the scope of activities, schedule, and budget for completing the Remedial Investigation/Feasibility Study (RI/FS) oversight for the Eagle Zinc Site located in the Township of Hillsboro in Montgomery County, Illinois. This Work Plan Revision Request No. 1 is submitted pursuant to the amended Work Assignment Form (WAF), Revision No. 03 and Statement of Work (SOW), Revision No. 1 for the RI/FS oversight dated May 29, 2003. The work will be performed in accordance with Work Assignment (WA) No. 136-RSBD-B5Y7, under Contract No. 68-W6-0025.

Phase II of the RI field work was conducted by Environ from March 10 through March 19, 2003. CH2M HILL provided oversight of the field activities for USEPA. Phase II RI field activities included: sampling and analysis of surface water for organic and inorganic parameters; installation of monitoring wells and sampling of soil/groundwater for organic and inorganic parameters; installation of temporary piezometers for determination of groundwater elevations; and collection of additional stockpiled residual materials for inorganic parameters.

Based on the Phase II RI analytical data, additional Phase II RI field work was deemed necessary by the PRPs to adequately characterize the site. The additional field work will consist of the installation/sampling of offsite monitoring wells and the sampling of offsite surface water samples for inorganic parameters. An onsite monitoring well that could not be installed during the Phase II RI field activities because of wet surface conditions will be installed and soil/groundwater samples will be collected for inorganic and organic parameters. The field work is scheduled to begin in June 2003.

## **Purpose**

The scope of work covered by this Work Plan Revision Request No. 1 comprises the oversight portion of the PRP's RI/FS activities. These activities shall include field investigations to delineate the nature and extent of contamination at the site and in nearby areas beyond those already identified through previous investigations. The RI/FS shall address site-related contaminant nature and extent, transport mechanisms, and risk characterization related to waste materials, surface soil, subsurface soil, groundwater, surface water, sediment, and air. The RI/FS is intended to both complement and complete the prior investigations conducted at and within the vicinity of the site.

## **Project Approach**

CH2M HILL proposes to use its own personnel to perform the work listed in this Work Plan Revision Request No. 1. CH2M HILL will review the PRP deliverables to assess the likelihood that the RI/FS will achieve its goals and to provide technical assistance to USEPA in responding to public inquiries concerning existing site information. CH2M HILL will retain overall responsibility for the performance of this Work Plan Revision Request No. 1, including project administration, management, and communication with USEPA.

management and coordination during the field oversight activities, which are assumed to occur during Option Period 1. The estimated total for this subtask, including work completed to date, is 183 LOE hours. Of the 183 LOE hours, 93 LOE hours are to occur during Option Period 1 and 90 LOE hours are to occur during Option Period 2.

### **Subtask 1.3.2 Progress Meetings**

During the course of this WA, CH2M HILL will participate in progress meetings with USEPA. Per the SOW, two CH2M HILL personnel from St. Louis will participate in three, 4-hour meetings to be held at the USEPA's Region V office. It is assumed that the three meetings will occur during Option Period 2. Preparation for each meeting is estimated to require an additional 2 hours. The estimated total LOE for this task is 60 hours (6 hours for preparation, 30 hours for travel, and 24 hours for meetings).

The total LOE estimated for Subtask 1.3 is 243 hours. Of the 243 LOE hours, 93 LOE hours are to occur during Option Period 1 and 150 LOE hours are to occur during Option Period 2.

The total LOE estimated for Task 1 is 398 hours.

## **Task 2 Community Relations Technical Support (CR.01)**

CH2M HILL will provide community relations technical support to USEPA throughout the RI/FS in accordance with *Community Relations in Superfund: A Handbook* (June 1988). Per the SOW Revision No. 1, it is assumed that two CH2M HILL personnel from St. Louis will provide technical support at five public/availability meetings in Hillsboro, Illinois, with each meeting requiring an overnight stay. It is assumed that the five meetings will occur during Option Period 2.

The LOE estimate assumes that each meeting will require 16 hours (8 hours for travel and 8 hours for meetings) and an additional 6 hours for meeting preparation support. The total LOE for Task 2 is 110 hours (80 hours for travel and meetings and 30 hours for preparation).

## **Task 3 Data Acquisition Oversight (FI.01)**

This task involves oversight for work related to PRP sampling during the RI/FS. The PRP's contractor's RI/FS Work Plan was approved by USEPA in June 2002, and Phase I of the field work was completed in early July 2002. The initial Phase II field sampling activities occurred in March 2003. Additional Phase II field work is scheduled to be completed in June 2003. Phase II will end with the demobilization of field personnel and equipment after the RI is complete. It is assumed that Task 3 activities will be completed during Option Period 1.

It is anticipated that the following oversight activities will be performed:

- **Kickoff Meetings.** Before beginning the additional Phase II field activities, it is anticipated that a meeting will be conducted for the principal personnel to discuss objectives and communication channels. For budgetary purposes, it is assumed that a 1-hour conference call will be conducted with USEPA and two CH2M HILL personnel. An estimated LOE of 2 hours for the conference call are included in the budget for this activity.
- **Perform Field Investigation Oversight.** CH2M HILL will conduct oversight activities for the PRP's contractor's field investigation using the approved PRP RI/FS schedule and will evaluate whether the work is being conducted in accordance with the PRP's site-specific QAPP, FSP, and HASP. The estimate assumes that one field observer from CH2M HILL's

A total of 60 LOE hours is estimated to complete the review of the ERA.

The total LOE estimated for Task 7 is 120 hours.

### **Task 9 Review the PRP's Remedial Investigation Report (RR.01)**

CH2M HILL will review the PRP's RI report. This task may also include a review of the PRP documents related to the RI portion of the RI/FS report. It is assumed that all of the Task 9 activities will be completed during Option Period 2.

#### **Review PRP's Draft RI Report**

CH2M HILL will review and provide comments on the PRP's draft RI report 21 days after it is received. The estimated LOE is based on three reviewers spending 15 hours for a total of 45 hours. An additional 4 hours have been added for the PM to compile comments for submittal to USEPA.

Per the SOW, it is assumed that two CH2M HILL personnel (project manager and senior reviewer) will attend a meeting to discuss the draft RI report at the PRP's contractor's office. CH2M HILL will provide draft or verbal comments to USEPA within 8 days of receipt of the draft prior to meeting with the PRPs. The LOE for the meeting is 24 hours (2 hours for preparation, 10 hours for travel, and 12 hours for the meeting).

#### **Review PRP's Final RI Report**

CH2M HILL will review and provide comments on the PRP's final RI report 14 days after it is received. The estimated LOE to review the final RI report is 16 hours, based on two reviewers spending 8 hours to review the final report. An additional 2 hours have been added for the PM to compile comments for submittal to USEPA.

The total LOE estimated for Task 9 is 91 hours.

### **Task 10 Review PRP's Technical Memorandums (RS)**

CH2M HILL will review and comment on the PRP's two technical memorandums described below. Review of the final Phase 1 technical memorandum was completed in January 2003. It is assumed that review of the Phase 2 activities will be completed during Option Period 1.

#### **Subtask 10.1—Review PRP's Draft Technical Memorandums (RS.01)**

Review of the draft Phase 1 technical memorandum was completed in January 2003. A total of 43 LOE hours was required to complete this subtask. CH2M HILL will review the PRP's draft Phase 2 technical memorandum within 14 calendar days following the receipt of the document. The estimated LOE to review the draft Phase 2 technical memorandum is 16 hours. The estimated effort is based on four reviewers spending 4 hours each to review and comment on the draft Phase 2 technical memorandum. An additional 4 hours have been added to this task to allow for the PM to compile comments for submittal to USEPA.

Per the SOW, two CH2M HILL personnel will attend a meeting at the PRP's contractor's office to discuss the draft technical memorandums. CH2M HILL will provide draft or verbal comments to USEPA within 8 days of the receipt of each document prior to meeting with the PRPs. The LOE

## Task 15 Work Assignment Closeout (CO.01)

At the conclusion of Option Period 2 for this WA, CH2M HILL will package and return all documents to USEPA. CH2M HILL estimates that 8 LOE hours will be required to review, consolidate, and package files for shipment to USEPA.

Six LOE hours are estimated for each option period for CH2M HILL to prepare the Work Assignment Closeout Report (WACR). The WACR will include all LOE by P-level and costs in accordance with the WBS. The total LOE estimated for Task 15 is 20 hours.

## Project Management

### Project Organization

CH2M HILL has assembled a project team to conduct the RI/FS oversight which possesses the appropriate skills and expertise necessary to support the WAM/RPM on the technical issues involving the Eagle Zinc site. CH2M HILL's St. Louis office will manage the WA and will provide field oversight personnel. For planning purposes, CH2M HILL's Dayton and Boston offices will supply the HHRA and ERA review personnel, respectively. Resident observers will work closely with other experienced technical staff, as needed, to address specific site-related investigation activities.

Key CH2M HILL personnel assigned to this project and their respective duties are identified in Table 1 below.

**TABLE 1**  
Proposed RI/FS Oversight Project Staff  
*Eagle Zinc Site*

Staff	Education	Years of Experience	Role	P-Grade
Ike Johnson	M.S.	20	Program Manager	P4
Cathy Barnett	M.S.	13	RTL	P3
Tim Biggs	M.S.	10	Project Manager	P3
John Lowe	B.S.	20	HHRA Reviewer	P3
Steve Petron	Ph. D.	18	ERA Reviewer	P4
Bryce Behnke	B.S.	7	Field Observer/Engineering Technician	P2

Other technical reviewers may need to be consulted regarding specific aspects of the RI/FS, depending on the requirements for each activity. These individuals will be familiar with the site activities based on a review of site compliance documents and other PRP deliverables.

ATTACHMENT A  
Estimated Travel Expenses  
(PUTD to 12-30-2004)

Task/Subtask	WBS	Origin	Destination	Purpose	No. of Trips	Persons	Auto	Duration	Hotel Cost	Auto Cost	Air Fare	Per Diem	Total Cost
1.3	PP.03	St. Louis	Chicago, IL	Progress Meetings	3	2	1	1	\$0	\$240	\$1,200	\$276	\$1,716
2	CR.01	St. Louis	Hillsboro, IL	Community Relations Meetings	5	2	1	1	\$550	\$300		\$300	\$1,150
3	FI.01	St. Louis	Hillsboro, IL	Data Acquisition Oversight	2	1	1	4	\$440	\$594	\$0	\$240	\$1,274
7	RA.01	St. Louis	Deerfield, IL	Draft HHRA Report Meeting	1	1	0	1	\$0	\$0	\$200	\$46	\$246
7	RA.01	Dayton	Deerfield, IL	Draft HHRA Report Meeting	1	1	1	1	\$155	\$80	\$250	\$46	\$531
7	RA.01	St. Louis	Deerfield, IL	Draft ERA Report Meeting	1	1	0	1	\$0	\$0	\$200	\$46	\$246
7	RA.01	Boston	Deerfield, IL	Draft ERA Report Meeting	1	1	1	1	\$155	\$80	\$300	\$46	\$581
9	RR.01	St. Louis	Deerfield, IL	Draft RI Report Meeting	1	2	1	1	\$0	\$80	\$400	\$92	\$572
10	RS.01	St. Louis	Deerfield, IL	Draft TM Meeting	2	1	1	1	\$0	\$160	\$532	\$92	\$784
12	FS.01	St. Louis	Deerfield, IL	Draft FS Report Meeting	1	2	1	1	\$0	\$80	\$400	\$92	\$572
13	PR.01	St. Louis	Deerfield, IL	Technical Meetings	2	2	1	1	\$620	\$160	\$800	\$184	\$1,764
<b>Totals</b>									<b>\$1,920</b>	<b>\$1,774</b>	<b>\$4,282</b>	<b>\$1,460</b>	<b>\$9,436</b>

Assumptions:

Per diem rate for USEPA and Environ meetings is \$201/day (\$155 hotel + \$46 meals) for overnight stay and \$46/day for no overnight stay per DOD Per Diem website (Lake County or Chicago).

Per diem for Hillsboro is \$85/day (\$55 hotel + \$30 meals) for overnight stay and \$30/day for no overnight stay per DOD Per Diem website (Conus rate).

Auto rates for Chicago visits based on \$40/day for car + \$10 gas + \$30 airport parking.

Auto rates for Hillsboro visits based on \$40/day for car + \$20/day gas.

Auto rates for Hillsboro field work based on 4WD truck @ \$60/day + \$15/day gas.

Airfare from STL to CHI based on \$200/round trip (with a 3-week advance reservation).

Airfare from DAY to CHI based on \$250/round trip (with a 3-week advance reservation).

Airfare from BOS to CHI based on \$300/round trip (with a 3-week advance reservation).



**CH2MHILL**

**CH2M HILL**

135 South 84th Street

Suite 325

Milwaukee, WI 53214-1456

Tel 414.272.2426

Fax 414.272.4408

June 20, 2003

175041.PP.01

Mr. Dion Novak  
Remedial Project Manager (SR-6J)  
U.S. Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, IL 60604-3590

Dear Mr. Novak:

Subject: Request for Approval – Work Plan Revision Request No. 1  
Eagle Zinc Site, Hillsboro, Illinois  
WA No. 136-RSBD-B5Y7/ WA No. 219-RSBD-B5Y7  
Contract No. 68-W6-0025

Submitted for your review and approval is the following Work Plan Revision Request No. 1:

Work Assignment No. 136-RSBD-B5Y7/219-RSBD-B5Y7 for Remedial Investigation/Feasibility Study Oversight. This Work Plan Revision Request presents an estimated cost and fee of \$164,886 and 1,328 LOE hours.


This Work Plan Revision Request is comprised of two (2) packages:

- Work Plan Revision Request without financial information
- Financial information

The financial information is to be considered CH2M HILL Confidential Business Information and is not for public disclosure. Upon your approval, please forward these original documents to the Project Officer, and then to the Contracting Officer for final approval.

Sincerely,

CH2M HILL



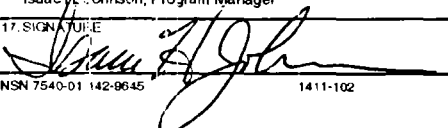
Isaac H. Johnson  
Program Manager

Enclosures

c: Stephen Nathan/PO/U.S. EPA Region 5  
Marshall McReynolds/CO/U.S. EPA Region 5



53.301-1411

CONTRACT PRICING PROPOSAL COVER SHEET		1. SOLICITATION/CONTRACT/MODIFICATION		FORM APPROVED OMB NO	
		68-W6-0025		9000-0013	
NOTE: This form is used in contract actions if submission of cost or pricing data is required. (See FAR 15.804-6(b))					
2. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)		3A. NAME AND TITLE OF OFFEROR'S POINT OF CONTACT		3B. TELEPHONE NO	
CH2M HILL, INC 135 South 84th Street, Suite 325 Milwaukee, WI 53214		Isaac H. Johnson Program Manager		(414) 272-2426	
4. TYPE OF CONTRACT ACTION (Check)					
<input type="checkbox"/> A. NEW CONTRACT		<input type="checkbox"/> D. LETTER CONTRACT			
<input type="checkbox"/> B. CHANGE ORDER		<input type="checkbox"/> E. UNPRICED ORDER			
<input checked="" type="checkbox"/> C. PRICE REVISION/REDETERMINATION		<input checked="" type="checkbox"/> F. OTHER (Specify) Work Plan Revision Request			
5. TYPE OF CONTRACT (Check)		6. PROPOSED COST (A+B=C)			
<input type="checkbox"/> FFP <input type="checkbox"/> CPFF <input type="checkbox"/> CPFF <input checked="" type="checkbox"/> CPAF <input type="checkbox"/> FPI <input type="checkbox"/> OTHER (Specify)		A. COST B. PROFIT/FEE C. TOTAL			
		\$149,896 \$14,990 \$164,886			
7. PLACE(S) AND PERIOD(S) OF PERFORMANCE Eagle Zinc Site, IL W.A. # 136-RSBD-B5Y7/W.A. # 219-RSBD-B5Y7 Estimated Completion: September 29, 2003					
8. List and reference the identification, quantity and total price proposed for each contract line item. A line item cost breakdown supporting this recap is required unless otherwise specified by the Contracting Officer. (Continue on reverse, and then on plain paper, if necessary. Use same headings.)					
A. LINE ITEM NO		B. IDENTIFICATION		C. QUANTITY	D. TOTAL PRICE
		Eagle Zinc Site, Hillsboro, Illinois  Remedial Investigation/Feasibility Study Oversight Work Plan Revision Request No. 1 W.A. # 136-RSBD-B5Y7/W.A. # 219-RSBD-B5Y7		LOE 1,328	\$164,886
9. PROVIDE NAME, ADDRESS, AND TELEPHONE NUMBER FOR THE FOLLOWING (If available)					
A. CONTRACT ADMINISTRATION OFFICE Mr. Marshall McReynolds, Contracting Officer U.S. Environmental Protection Agency Acquisition Section 77 West Jackson Boulevard Chicago, IL 60604-3590 (312) 886-5858		B. AUDIT OFFICE Mr. Kenneth Hill, Branch Manager Defense Contract Audit Agency Denver Branch Office 7112 West Jefferson Avenue, Suite 200 Lakewood, CO 80235-2327 (303) 969-5000			
10. WILL YOU REQUIRE THE USE OF ANY GOVERNMENT PROPERTY IN THE PERFORMANCE OF THIS WORK? (If "Yes," identify)		11A. DO YOU REQUIRE GOVERNMENT CONTRACT FINANCING TO PERFORM THIS PROPOSED CONTRACT? (If "Yes," complete item 11B)		11B. TYPE OF FINANCING (check one)	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		<input type="checkbox"/> ADVANCE PAYMENTS <input checked="" type="checkbox"/> PROGRESS PAYMENTS <input type="checkbox"/> GUARANTEED LOANS	
12. HAVE YOU BEEN AWARDED ANY CONTRACTS OR SUBCONTRACTS FOR THE SAME OR SIMILAR ITEMS WITHIN THE PAST 3 YEARS? (If "Yes," identify item(s), customer(s) and contract number(s))		13. IS THIS PROPOSAL CONSISTENT WITH YOUR ESTABLISHED ESTIMATING AND ACCOUNTING PRACTICES AND PROCEDURES AND FAR PART 31 COST PRINCIPLES? (If "No," explain)			
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO A/RCS 68-W6-0040		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
14. COST ACCOUNTING STANDARDS BOARD (CASB) DATA (Public Law 91-379 as amended and FAR PART 30)					
A. WILL THIS CONTRACT ACTION BE SUBJECT TO CASB REGULATIONS? (If "No," explain in proposal)		B. HAVE YOU SUBMITTED A CASB DISCLOSURE STATEMENT? (CASB DS-1 or 2)? (If "Yes," specify in proposal the office to which submitted and if determined to be adequate)			
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO (DCMAO, Denver)			
C. HAVE YOU BEEN NOTIFIED THAT YOU ARE OR MAY BE IN NON-COMPLIANCE WITH YOUR DISCLOSURE STATEMENT OR COST ACCOUNTING STANDARDS? (If "Yes," explain in proposal)		D. IS ANY ASPECT OF THIS PROPOSAL INCONSISTENT WITH YOUR DISCLOSED PRACTICES OR APPLICABLE COST ACCOUNTING STANDARDS? (If "Yes," explain in proposal)			
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
This proposal is submitted in response to the RFP, contract, modification, etc. in item 1 and reflects our best estimates and/or actual costs as of this date and conforms with the instructions in FAR 15.804-6(b)(2), Table 15-2. By submitting this proposal, the offeror, if selected for negotiation, grants the contracting officer or an authorized representative the right to examine, at any time before award, those books, records, documents and other types of factual information, regardless of form or whether such supporting information is specifically referenced or included in the proposal as the basis for pricing, that will permit an adequate evaluation of the proposed price.					
15. NAME AND TITLE (Type) Isaac H. Johnson, Program Manager		16. NAME OF FIRM CH2M HILL, INC			
17. SIGNATURE 		18. DATE OF SUBMISSION 6-20-03			
NSN 7540-01 142-9645 1411-102		STANDARD FORM 1411 (REV. 7-87) Prescribed by GSA FAR (48 CFR) 53.215-2(c)			

FINANCIAL INFORMATION

**EAGLE ZINC SITE, HILLSBORO, IL**

CH2M HILL RAC V

EPA CONTRACT NO. 68-W6-0025

WA NO. 136-RSBD-B5Y7/WA NO. 219-RSBD-B5Y7

June 20, 2003

CH2M HILL CONFIDENTIAL BUSINESS INFORMATION

# CH2M Hill Cost Summary Report

WA#136-RSBD-B5Y7  
68-W6-0025

	<i>Apportioned Rate</i>	<i>Basis (Hours/\$)</i>	<i>Cost</i>
<b>LOE</b>			
CH2M PROF GRADE 4		132	\$6,833
CH2M PROF GRADE 3		885	\$34,123
CH2M PROF GRADE 2		139	\$3,687
CH2M PROF GRADE 1		140	\$3,273
CH2M TECH GRADE 2		2	\$47
CH2M TECH GRADE 1		30	\$544
<b>Total LOE</b>		<b>1,328</b>	<b>\$48,507</b>
<b>OFFICE</b>			
CH2M OFFICE		121	\$2,355
<b>Total OFFICE</b>			<b>\$2,355</b>
<b>Total LABOR</b>		<b>1,449</b>	<b>\$50,862</b>
<b>ODC</b>			
CH2M COMMUNICATIONS	\$1.25	1,449	\$1,811
CH2M HEALTH & SAFETY	\$1.60	1,196	\$1,913
CH2M COMPUTER	\$4.40	1,449	\$6,376
CH2M REPROGRAPHICS			\$1,098
CH2M SUPPLIES			\$750
CH2M POSTAGE			\$695
MISCELLANEOUS EXPENSES			\$176
<b>Total ODC</b>			<b>\$12,819</b>
<b>CH2M TRAVEL</b>			<b>\$9,436</b>
<b>INDIRECT COST</b>			
CH2M FRINGE (2000-2003)	0.367	\$23,821	\$8,742
CH2M FRINGE (2004)	0.379	\$27,041	\$10,249
CH2M OVERHEAD (2000-2003)	0.521	\$23,821	\$12,411
CH2M OVERHEAD (2004)	0.523	\$27,041	\$14,142
CH2M G & A (2000-2003)	0.612	\$23,821	\$14,578
CH2M G & A (2004)	0.616	\$27,041	\$16,657
<b>Total INDIRECT COST</b>			<b>\$76,779</b>
<b>FEE</b>			
CH2M Award Fee	0.06	\$149,896	\$8,994
CH2M Base Fee	0.04	\$149,896	\$5,996
<b>Total FEE</b>			<b>\$14,990</b>
<b>Total Cost</b>			<b>\$164,886</b>

WA#136-RSBD-B5Y7  
Cost and LOE Breakdown Complete  
RAC V Work Plan - Eagle Zinc, IL

Task	P-4	P-3	P-2	P-1	T-2	T-1	LOE Labor\$	Clerical Hours	Clerical Labor\$	PLI Premium	CPS \$	Comm. \$	ODC Postage	ODC Supplies	ODC Reprog.	ODC Other	ODC Total	Computer	Total Equip.	Travel \$	Subpool	Indirect Costs	Total Fees	Total LOE	Total Cost
01	38	270	34	24	2	30	\$14,293	41	\$789	\$0	\$576	\$549	\$104	\$0	\$312	\$0	\$1,541	\$1,932	\$0	\$1,716	\$0	\$22,710	\$4,298	398	\$47,277
01.01	8	82	15	20	0	4	\$4,412	8	\$152	\$0	\$194	\$171	\$62	\$0	\$256	\$0	\$683	\$603	\$0	\$0	\$0	\$6,846	\$1,270	129	\$13,966
01.02	0	5	15	4	2	0	\$722	2	\$38	\$0	\$42	\$35	\$42	\$0	\$56	\$0	\$175	\$123	\$0	\$0	\$0	\$1,140	\$220	26	\$2,418
01.03	30	183	4	0	0	26	\$9,158	31	\$599	\$0	\$341	\$342	\$0	\$0	\$0	\$0	\$683	\$1,206	\$0	\$1,716	\$0	\$14,723	\$2,809	243	\$30,894
02	0	110	0	0	0	0	\$4,282	8	\$157	\$0	\$176	\$148	\$50	\$250	\$250	\$0	\$873	\$519	\$0	\$1,150	\$0	\$6,724	\$1,371	110	\$15,077
02.01	0	110	0	0	0	0	\$4,282	8	\$157	\$0	\$176	\$148	\$50	\$250	\$250	\$0	\$873	\$519	\$0	\$1,150	\$0	\$6,724	\$1,371	110	\$15,077
03	0	4	50	108	0	0	\$3,983	1	\$19	\$0	\$259	\$204	\$10	\$0	\$30	\$176	\$679	\$717	\$0	\$1,274	\$0	\$6,002	\$1,267	162	\$13,942
03.01	0	4	50	108	0	0	\$3,983	1	\$19	\$0	\$259	\$204	\$10	\$0	\$30	\$176	\$679	\$717	\$0	\$1,274	\$0	\$6,002	\$1,267	162	\$13,942
07	48	72	0	0	0	0	\$5,317	8	\$157	\$0	\$115	\$160	\$100	\$0	\$0	\$0	\$375	\$563	\$0	\$1,604	\$0	\$8,291	\$1,631	120	\$17,939
07.01	48	72	0	0	0	0	\$5,317	8	\$157	\$0	\$115	\$160	\$100	\$0	\$0	\$0	\$375	\$563	\$0	\$1,604	\$0	\$8,291	\$1,631	120	\$17,939
09	0	76	15	0	0	0	\$3,363	8	\$157	\$0	\$146	\$124	\$50	\$0	\$0	\$0	\$319	\$436	\$0	\$572	\$0	\$5,331	\$1,018	91	\$11,197
09.01	0	76	15	0	0	0	\$3,363	8	\$157	\$0	\$146	\$124	\$50	\$0	\$0	\$0	\$319	\$436	\$0	\$572	\$0	\$5,331	\$1,018	91	\$11,197
10	20	77	0	0	0	0	\$3,900	6	\$114	\$0	\$123	\$129	\$81	\$0	\$6	\$0	\$339	\$453	\$0	\$784	\$0	\$6,021	\$1,161	97	\$12,772
10.01	17	70	0	0	0	0	\$3,486	4	\$76	\$0	\$112	\$114	\$54	\$0	\$3	\$0	\$283	\$400	\$0	\$784	\$0	\$5,343	\$1,037	87	\$11,409
10.02	3	7	0	0	0	0	\$414	2	\$38	\$0	\$11	\$15	\$27	\$0	\$3	\$0	\$56	\$53	\$0	\$0	\$0	\$678	\$124	10	\$1,363
12	16	64	0	0	0	0	\$3,330	6	\$118	\$0	\$102	\$107	\$50	\$0	\$0	\$0	\$260	\$378	\$0	\$572	\$0	\$5,221	\$988	80	\$10,867
12.01	16	64	0	0	0	0	\$3,330	6	\$118	\$0	\$102	\$107	\$50	\$0	\$0	\$0	\$260	\$378	\$0	\$572	\$0	\$5,221	\$988	80	\$10,867
13	10	200	40	0	0	0	\$9,388	24	\$472	\$0	\$384	\$343	\$200	\$500	\$500	\$0	\$1,927	\$1,206	\$0	\$1,764	\$0	\$14,933	\$2,969	250	\$32,658
13.01	10	200	40	0	0	0	\$9,388	24	\$472	\$0	\$384	\$343	\$200	\$500	\$500	\$0	\$1,927	\$1,206	\$0	\$1,764	\$0	\$14,933	\$2,969	250	\$32,658
15	0	12	0	8	0	0	\$651	19	\$372	\$0	\$32	\$49	\$50	\$0	\$0	\$0	\$131	\$172	\$0	\$0	\$0	\$1,545	\$287	20	\$3,158
15.01	0	12	0	8	0	0	\$651	19	\$372	\$0	\$32	\$49	\$50	\$0	\$0	\$0	\$131	\$172	\$0	\$0	\$0	\$1,545	\$287	20	\$3,158
Totals:	132	885	139	140	2	30	\$48,507	121	\$2,355	\$0	\$1,913	\$1,811	\$695	\$750	\$1,098	\$176	\$6,444	\$6,376	\$0	\$9,436	\$0	\$76,779	\$14,990	1,328	\$164,886

WA#136-RSBD-B5Y7  
Cost and LOE Breakdown Option Period I  
RAC V Work Plan - Eagle Zinc, IL

Task	P-4	P-3	P-2	P-1	T-2	T-1	LOE Labor\$	Clerical Hours	Clerical Labor\$	PLI Premium	CPS \$	Comm. \$	ODC Postage	ODC Supplies	ODC Reprog.	ODC Other	ODC Total	Computer	Total Equip.	Travel \$	Subpool	Indirect Costs	Total Fees	Total LOE	Total Cost
01	23	150	34	24	2	15	\$8,554	26	\$494	\$0	\$360	\$343	\$104	\$0	\$312	\$0	\$1,118	\$1,206	\$0	\$0	\$0	\$13,572	\$2,494	248	\$27,439
01.01	8	82	15	20	0	4	\$4,412	8	\$152	\$0	\$194	\$171	\$62	\$0	\$256	\$0	\$683	\$603	\$0	\$0	\$0	\$6,846	\$1,270	129	\$13,966
01.02	0	5	15	4	2	0	\$722	2	\$38	\$0	\$42	\$35	\$42	\$0	\$56	\$0	\$175	\$123	\$0	\$0	\$0	\$1,140	\$220	26	\$2,418
01.03	15	63	4	0	0	11	\$3,420	16	\$304	\$0	\$125	\$136	\$0	\$0	\$0	\$0	\$261	\$480	\$0	\$0	\$0	\$5,586	\$1,005	93	\$11,055
02	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
02.01	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
03	0	4	50	108	0	0	\$3,983	1	\$19	\$0	\$259	\$204	\$10	\$0	\$30	\$176	\$679	\$717	\$0	\$1,274	\$0	\$6,002	\$1,267	162	\$13,942
03.01	0	4	50	108	0	0	\$3,983	1	\$19	\$0	\$259	\$204	\$10	\$0	\$30	\$176	\$679	\$717	\$0	\$1,274	\$0	\$6,002	\$1,267	162	\$13,942
07	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
07.01	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
09	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
09.01	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
10	20	77	0	0	0	0	\$3,900	6	\$114	\$0	\$123	\$129	\$81	\$0	\$6	\$0	\$339	\$453	\$0	\$784	\$0	\$6,021	\$1,161	97	\$12,772
10.01	17	70	0	0	0	0	\$3,486	4	\$76	\$0	\$112	\$114	\$54	\$0	\$3	\$0	\$283	\$400	\$0	\$784	\$0	\$5,343	\$1,037	87	\$11,409
10.02	3	7	0	0	0	0	\$414	2	\$38	\$0	\$11	\$15	\$27	\$0	\$3	\$0	\$56	\$53	\$0	\$0	\$0	\$678	\$124	10	\$1,363
12	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
12.01	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
13	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
13.01	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
15	0	6	0	0	0	0	\$225	3	\$57	\$0	\$10	\$11	\$0	\$0	\$0	\$0	\$21	\$40	\$0	\$0	\$0	\$423	\$77	6	\$843
15.01	0	6	0	0	0	0	\$225	3	\$57	\$0	\$10	\$11	\$0	\$0	\$0	\$0	\$21	\$40	\$0	\$0	\$0	\$423	\$77	6	\$843
Totals:	43	237	84	132	2	15	\$16,662	36	\$684	\$0	\$752	\$686	\$195	\$0	\$348	\$176	\$2,157	\$2,416	\$0	\$2,058	\$0	\$26,019	\$5,000	513	\$54,995

# WA#136-RSBD-B5Y7

## Cost and LOE Breakdown Option Period 2

### RAC V Work Plan - Eagle Zinc, IL

Task	P-4	P-3	P-2	P-1	T-2	T-1	LOE Labor\$	Clerical Hours	Clerical Labor\$	PLI Premium	CPS \$	Comm. \$	ODC Postage	ODC Supplies	ODC Reprog.	ODC Other	ODC Total	Computer	Total Equip.	Travel \$	Subpool	Indirect Costs	Total Fees	Total LOE	Total Cost
01	15	120	0	0	0	15	\$5,739	15	\$295	\$0	\$216	\$206	\$0	\$0	\$0	\$0	\$422	\$726	\$0	\$1,716	\$0	\$9,138	\$1,804	150	\$19,839
01.01	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
01.02	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
01.03	15	120	0	0	0	15	\$5,739	15	\$295	\$0	\$216	\$206	\$0	\$0	\$0	\$0	\$422	\$726	\$0	\$1,716	\$0	\$9,138	\$1,804	150	\$19,839
02	0	110	0	0	0	0	\$4,282	8	\$157	\$0	\$176	\$148	\$50	\$250	\$250	\$0	\$873	\$519	\$0	\$1,150	\$0	\$6,724	\$1,371	110	\$15,077
02.01	0	110	0	0	0	0	\$4,282	8	\$157	\$0	\$176	\$148	\$50	\$250	\$250	\$0	\$873	\$519	\$0	\$1,150	\$0	\$6,724	\$1,371	110	\$15,077
03	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
03.01	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
07	48	72	0	0	0	0	\$5,317	8	\$157	\$0	\$115	\$160	\$100	\$0	\$0	\$0	\$375	\$563	\$0	\$1,604	\$0	\$8,291	\$1,631	120	\$17,939
07.01	48	72	0	0	0	0	\$5,317	8	\$157	\$0	\$115	\$160	\$100	\$0	\$0	\$0	\$375	\$563	\$0	\$1,604	\$0	\$8,291	\$1,631	120	\$17,939
09	0	76	15	0	0	0	\$3,363	8	\$157	\$0	\$146	\$124	\$50	\$0	\$0	\$0	\$319	\$436	\$0	\$572	\$0	\$5,331	\$1,018	91	\$11,197
09.01	0	76	15	0	0	0	\$3,363	8	\$157	\$0	\$146	\$124	\$50	\$0	\$0	\$0	\$319	\$436	\$0	\$572	\$0	\$5,331	\$1,018	91	\$11,197
10	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
10.01	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
10.02	0	0	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	\$0
12	16	64	0	0	0	0	\$3,330	6	\$118	\$0	\$102	\$107	\$50	\$0	\$0	\$0	\$260	\$378	\$0	\$572	\$0	\$5,221	\$988	80	\$10,867
12.01	16	64	0	0	0	0	\$3,330	6	\$118	\$0	\$102	\$107	\$50	\$0	\$0	\$0	\$260	\$378	\$0	\$572	\$0	\$5,221	\$988	80	\$10,867
13	10	200	40	0	0	0	\$9,388	24	\$472	\$0	\$384	\$343	\$200	\$500	\$500	\$0	\$1,927	\$1,206	\$0	\$1,764	\$0	\$14,933	\$2,969	250	\$32,658
13.01	10	200	40	0	0	0	\$9,388	24	\$472	\$0	\$384	\$343	\$200	\$500	\$500	\$0	\$1,927	\$1,206	\$0	\$1,764	\$0	\$14,933	\$2,969	250	\$32,658
15	0	6	0	8	0	0	\$426	16	\$315	\$0	\$22	\$37	\$50	\$0	\$0	\$0	\$110	\$132	\$0	\$0	\$0	\$1,122	\$210	14	\$2,315
15.01	0	6	0	8	0	0	\$426	16	\$315	\$0	\$22	\$37	\$50	\$0	\$0	\$0	\$110	\$132	\$0	\$0	\$0	\$1,122	\$210	14	\$2,315
Totals:	89	648	55	8	0	15	\$31,845	85	\$1,671	\$0	\$1,162	\$1,125	\$500	\$750	\$750	\$0	\$4,286	\$3,960	\$0	\$7,378	\$0	\$50,760	\$9,990	815	\$109,891